



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Firestone Building Products Company, LLC.
250 W 96th Street
Indianapolis, IN. 46260

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: UC3 Steel Panels

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This renews NOA# 10-1214.08 consists of pages 1 through 8.
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 13-0311.04
Expiration Date: 04/14/18
Approval Date: 05/16/13
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ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Metal, Panels(Non-Structural)
Materials: Steel
Deck Type: Wood
Maximum Design Pressure -129.25 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
UC3	l = various maximum w = 20" min. 24 gage (0.024") (panels are cut to appropriate length) Min Yield Strength: 55ksi	TAS 110	Corrosion resistant, galvalume or galvanized, preformed, standing seam, coated, prefinished, metal panels.
Trim Pieces	l = varies w = varies min. 24 ga. (0.024")	TAS 110	Standard flashing and trim pieces. Manufactured for each panel width.
Panel Clips	.024" thick x 1½" wide x 1½" high x 1½" long	TAS 114 Appendix E	Corrosion resistant, formed, painted or unpainted steel clips for metal panel installation.
Panel Clips	0.024" thick x ¾" wide x 1½" high x 2" long	TAS 114 Appendix E	Corrosion resistant, formed, painted or unpainted steel clips for metal panel installation.
Two Piece Expansion Panel Clips	0.024" thick Base 1" wide x 0.42" high x 5" long 0.024" thick Top 1.87" wide x 0.412" high x 3" long	TAS 114 Appendix E	Corrosion resistant, formed, painted or unpainted steel clips for metal panel installation.
Continuous Clip	22ga. thick x 0.812" wide x 1.625" high x 120" long	TAS 114 Appendix E	Corrosion resistant, formed, painted or unpainted continuous steel clips for metal panel installation.

MANUFACTURING LOCATION:

1. College Park, GA.
2. Anoka, MN.



NOA No.: 13-0311.04
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EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Construction Materials	FBP-028-02-01	TAS 100	Oct. 2007
Valspar		ASTM G 23	Nov. 2006
		ASTM B 117	May 2006
Hurricane Test Laboratory, Inc.	0182-0102-00	UL 580	February 2000
	0227-0116-04		03/31/04
	0277-0613-04		06/30/04
	0277-0509-05		06/17/05
	0227-0110-08		02/22/08



APPROVED ASSEMBLIES:

System A:	UC3 Steel Panel
Deck Type:	Wood, Non-Insulated
Deck Description:	New Construction $^{19}/_{32}$ " or greater plywood or wood plank.
Slope Range:	2": 12" or greater
Maximum Uplift Pressure:	See Table 'A' Below

Deck Attachment:	In accordance with applicable Building Code, but in no case shall it be less than 8d annular ring shank nails spaced 6" o.c. In reroofing, where the deck is less than $^{19}/_{32}$ " thick (Minimum $^{15}/_{32}$ "). The above attachment method must be in addition to existing attachment.
Underlayment:	Minimum underlayment shall be a ASTM D 226 Type II installed with a minimum 4" side-laps and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and $1\frac{1}{4}$ " annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. Or, any Miami-Dade County Product Control Approved underlayment having a current NOA.
Fire Barrier Board:	Any approved fire barrier having a current NOA. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. See Limitation # 1.
Valleys:	Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with Firestone Metal Products' current published installation instructions.



Metal Panels and Accessories:

Install the "UC3 Panels" and accessories in compliance with Firestone Metal Products' current, published installation instructions and details. Flashing, penetrations, valley construction and other details shall be constructed in compliance with the minimum requirements provided in Roofing Application Standards RAS 133.

1. Panels shall be installed with approved clips 2" from the panel ends and shall be at a maximum spacing noted in Table A or Table B.
2. Clips are to be attached to substrate as follows:
 - 2" Clips - with (1) one corrosion resistant #10 screws for field area of roof.
 - 2" Clips – with (2) two corrosion resistant #10 screws for perimeter and corner area of roof.
 - Expansion two-piece clips shall be attached with (2) two #10 screws in all roof areas (i.e. field, perimeter and corner).
 - Continuous clip shall be fastened with #12 screws (perimeter and corner). Fasteners shall be of sufficient length to penetrate through the sheathing a minimum of $\frac{3}{16}$ ".
3. Standing seams shall be mechanically seamed. See Table A or Table B, and Profile Drawing for seam detail

**TABLE A
MAXIMUM DESIGN PRESSURES**

Roof Areas	Field	Perimeter and Corner ¹	Perimeter and Corner ¹
Seam	Single Lock ²	Single Lock ²	Double Lock ²
Maximum Design Pressures	-62.5 psf	-101 psf	-129.25 psf
Maximum Clip Spacing	16" o.c.	8" o.c.	12" o.c.
1. Extrapolation shall not be allowed.			
2. See Profile Drawing for details on single and double lock configurations.			

**TABLE B
MAXIMUM DESIGN PRESSURES**

Roof Areas	Field	Perimeter and Corner ¹ (Continuous Clip)
Seam	Single Lock ²	Double Lock ²
Maximum Design Pressures	-62.5 psf	-204.25 psf
Maximum Clip Spacing for Field and Maximum Fastener Spacing for Perimeter and Corner	16" o.c.	6" o.c.
1. Extrapolation shall not be allowed.		
2. See Profile Drawing for details on single and double lock configurations.		

SYSTEM LIMITATIONS

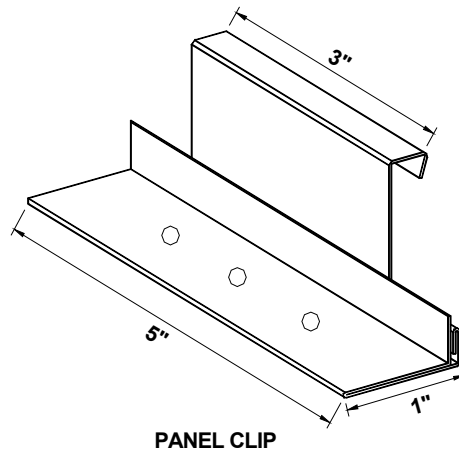
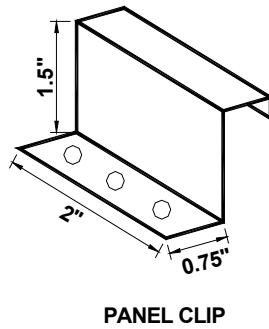
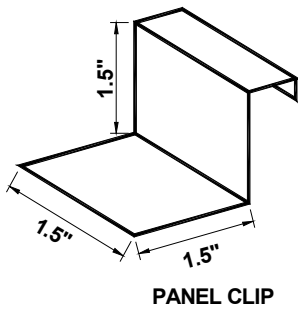
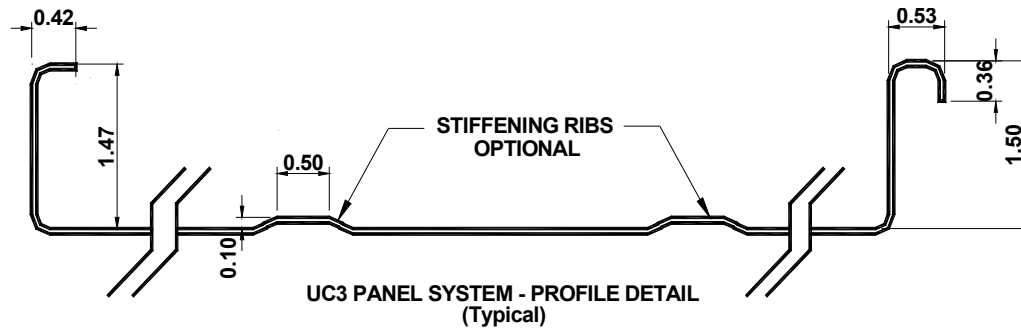
1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
3. Panels may be rolls formed in continuous lengths from eave to ridge. Maximum lengths shall be as described in Roofing Application Standard RAS 133
4. All panels shall be permanently labeled with the manufacturer's name and/or logo, and the following statement: "Miami-Dade County Product Control Approved" **or** with the Miami-Dade County Product Control Seal as seen below. All clips shall be permanently labeled with the manufacturer's name and/or logo, and/or model.

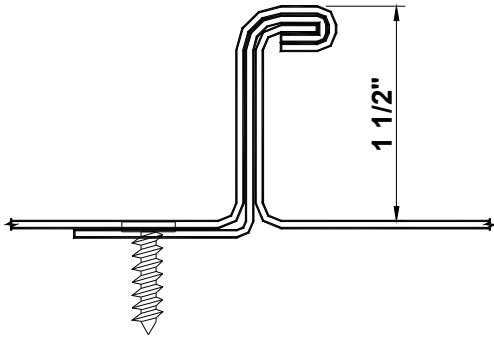


5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9N-3 of the Florida Administrative Code.

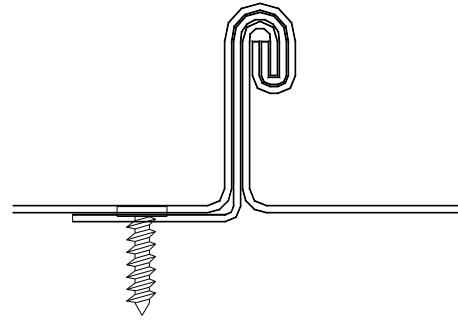


PROFILE DRAWINGS UC3 STEEL PANEL SYSTEM





**SINGLE LOCK SEAM
(90 DEGREE)**



**DOUBLE LOCK SEAM
(180 DEGREE)**

END OF THIS ACCEPTANCE